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## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q86430

Toshihiro HAYATA

Appln. No.: 10/526,067

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: February 28, 2005

For: A MOBILE COMMUNICATION SYSTEM AND AN INTER-FREQUENCY HO  
METHOD, MOBILE STATION, BASE TRANSCEIVER STATION, RADIO NETWORK  
CONTROLLER, AND PROGRAM FOR THE MOBILE COMMUNICATION SYSTEM

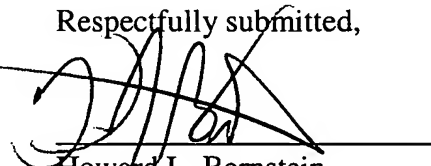
**SUBMISSION OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT  
(IPER)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

For the Examiner's convenience, enclosed herewith is a copy of the English translation of the International Preliminary Examination Report (IPER). It is assumed that copies of the cited references as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

Respectfully submitted,

  
Howard L. Bernstein  
Registration No. 25,665

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: July 18, 2005

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II  
OF THE PATENT COOPERATION TREATY)  
(PCT Rule 72.2)

To:

MIYAZAKI, Teruo  
8th Floor, 16th Kowa Bldg.  
9-20, Akasaka 1-chome  
Minato-ku, Tokyo 107-005  
JAPON



Date of mailing (day/month/year) 09 June 2005 (09.06.2005)	
Applicant's or agent's file reference NEC03P094	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/010743	International filing date (day/month/year) 26 August 2003 (26.08.2003)
Applicant NEC CORPORATION et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

**2. Transmittal of the copy of the translation to the elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CN, EP, KR, RU

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

SG, US

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No.+41 22 740 14 35	Authorized officer  Yoshiko Kuwahara  Facsimile No.+41 22 338 90 90
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## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Translation

Applicant's or agent's file reference NEC03P094	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/010743	International filing date (day/month/year) 26 August 2003 (26.08.2003)	Priority date (day/month/year) 28 August 2002 (28.08.2002)
International Patent Classification (IPC) or national classification and IPC H04Q 7/22		
Applicant NEC CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 5 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 26 August 2003 (26.08.2003)	Date of completion of this report 01 December 2004 (01.12.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/JP2003/010743

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1-32, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
 pages 6, 11, 17, 22, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement under Article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages 2, 5, 7, 10, 13, 16, 18, 21, 24, 26, 29, 31, filed with the letter of 06 February 2004 (06.02.2004)
- ☒ the drawings:  
 pages 1-16, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

- These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:
- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☒ the claims, Nos. 1, 3, 4, 8, 9, 12, 14, 15, 19, 20, 23, 25, 27, 28, 30, 32-50
- ☐ the drawings, sheets/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/10743

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	2, 5-7, 10, 11, 13, 16-18, 21, 22, 24, 26, 29, 31	YES
	Claims		NO
Inventive step (IS)	Claims	2, 5-7, 10, 11, 13, 16-18, 21, 22, 24, 26, 29, 31	YES
	Claims		NO
Industrial applicability (IA)	Claims	2, 5-7, 10, 11, 13, 16-18, 21, 22, 24, 26, 29, 31	YES
	Claims		NO

### 2. Citations and explanations

Document 1: JP, 2000-509573, A (Telefonaktiebolaget LM Ericsson (publ.)), 25 July, 2000 (25.07.00), page 20, line 25 to page 22, line 16

Document 2: WO, 00-64070, A2 (Telefonaktiebolaget LM Ericsson (publ.)), 26 October, 2000 (26.10.00), page 11, lines 20-24

Document 3: JP, 2002-33700, A (Alcatel), 31 January, 2002 (31.01.02), paragraphs [0109]-[0111], Fig. 4

Document 4: WO, 01-020942, A1 (Telefonaktiebolaget LM Ericsson (publ.)), 22 March, 2001 (22.03.01), page 12, lines 1-18

Claims 2, 5-7, 10, 11, 13, 16-18, 21, 22, 24, 26, 29 and 31

A feature wherein, in a mobile communication system having the compressed mode, a mobile station has a synthesis means of receiving the same data sent at a handing-over frequency and a handed-over frequency and synthesizing the said data of different frequencies, is neither described in documents 1-3 cited in the ISR or in document 4 newly cited, nor obvious to a person skilled in the art.